

CHAITANYA CENTRAL SCHOOL
Yenugonda, Mahabubnagar
Assignment – 2023-24

Class: VI
Subject: Mathematics

Date: 24-04-2023

1. In the following numbers, insert commas to separate periods and write the numbers in words in International System.

(a) 87213521 (b) 37241175 (c) 782412411 (d) 6238421 (e) 42000420

2. Form the largest and smallest 8-digit numbers using the following digits.

(a) 2, 0, 4, 1, 8, 3, 7, 5 (b) 7, 2, 6, 1, 8, 3, 9, 5 (c) 3, 5, 1, 7, 2, 0, 9, 4

3. What should be added to 5,37,93,210 to get 8,89,06,972?

4. Find the difference between the largest 8-digit number and the smallest 6-digit number.

5. Find the product of the following.

(a) 5005×1210 (b) 2527×3985 (c) 7108×8015 (d) 1231×4825 (e) 52.9×1000 (f) 8.12×4.8

6. Divide

(a) $10,427 \div 28$ (b) $12,579 \div 33$ (c) $68,572 \div 124$ (d) $14,620 \div 6.8$ (e) $493.21 \div 3.8$ (f) $540.5 \div 0.25$

7. Find the factors of the following.

(a) 56 (b) 64 (c) 37 (d) 96 (e) 128

8. Find the prime factorisation of the following numbers.

(a) 72 (b) 88 (c) 112 (d) 135 (e) 39

9. Find the HCF of the following numbers by prime factorisation and short division method.

(a) 16, 36, 56 (b) 18, 27, 56 (c) 21, 49, 63 (d) 25, 35, 55

10. Find the LCM of the following numbers

(a) 49, 167 (b) 64, 120, 128 (c) 55, 121, 165 (d) 96, 144, 126

11. Arrange the fractions in descending order

(a) $\frac{7}{8}, \frac{3}{8}, \frac{1}{16}, \frac{5}{10}$ (b) $\frac{4}{5}, \frac{7}{10}, \frac{1}{15}, \frac{3}{5}$ (c) $\frac{7}{8}, \frac{5}{9}, \frac{2}{3}, \frac{1}{2}$ (d) $\frac{5}{12}, \frac{5}{23}, \frac{5}{17}, \frac{5}{11}$

12. Add the following

(a) $\frac{2}{9} + \frac{3}{5}$ (b) $\frac{5}{9} + \frac{1}{3} + \frac{5}{6}$ (c) $10\frac{1}{5} + 7\frac{1}{3}$ (d) $\frac{4}{5} + \frac{2}{3} + \frac{3}{5}$ (e) $\frac{1}{2} + \frac{3}{16} + \frac{5}{18}$

13. Simplify the following

(a) $\frac{1}{20} \times 10$ (b) $5\frac{1}{2} \times 2\frac{1}{3}$ (c) $3\frac{1}{5} \times \frac{1}{23}$ (d) $\frac{8}{9} \times \frac{12}{13}$

14. Divide the following.

(a) $4 \div \frac{3}{4}$ (b) $12 \div 1\frac{1}{11}$ (c) $\frac{3}{2} \div \frac{7}{2}$ (d) $3\frac{1}{5} \div 2\frac{1}{5}$

15. Write the number names.

(a) 345.105 (b) 138.123 (c) 78.078

16. Write the expanded form of the following decimal numbers.

(a) 420.03 (b) 325.91 (c) 509.09

17. Convert the following fractions into decimals.

(a) $10\frac{3}{100}$ (b) $17\frac{4}{25}$ (c) $25\frac{1}{1000}$ (d) $2\frac{3}{10}$

18. Subtract

(a) $183.45 - 81.2$ (b) $78.53 - 23$ (c) $285.12 - 35.293$

19. Define the following.

(a) Right angle (b) Acute angle (c) Obtuse angle (d) Complete angle (e) Straight angle

20. Convert the following.

(a) 121cm in Kilometres (b) 18.2 kg into grams (c) 247mm into metres (d) 1523 ml into litres

21. Find the perimeter of the following.

(a) length = 15cm, breadth = 12cm (b) length = 5m, breadth = 7m (c) side = 12cm (d) side = 4.8m

22. Find the area of the following .

(a) length = 7.3cm, breadth = 5.8cm (b) length = 3cm, breadth = 5cm (c) side = 8cm (d) side = 6.3cm

23. Find the volume of the following.

(a) length = 10m, breadth = 8m, height = 9m (b) length = 12cm, breadth = 5cm, height = 6cm

(c) side = 6m (d) side = 9cm

24. Convert into hours.

(a) 36 days (b) 58 days 17 hours

25. Convert into minutes .

(a) 50 hours 12 minutes (b) 51 hours

26. Convert into seconds

(a) 43 minutes (b) 98 minutes 1 second

27. Convert the following into days and hours

(a) 720 hours (b) 302 hours

28. Convert the following into hours and minutes.

(a) 162 minutes (b) 480 minutes

29. Find profit or loss for the following

(a) CP= Rs.2456, SP = Rs. 1625 (b) CP = Rs. 345, SP = Rs.550

30. Find the cost price for the following

(a) SP=Rs.67453, Profit = Rs.2322 (b) SP=Rs.342, loss = Rs.94

31. Find the selling price for the following.

(a) CP=Rs.11243, Profit = Rs.276 (b) CP=Rs.87467, loss = Rs.1234

32. A bus can travel 120 km in 3 hours. How much distance can it travel in 9 hours?

33. Cost of 11 books is Rs.1265. What will be the cost of 8 such books?

34. The length and breadth of a fish tank are 50cm each and its height is 40cm. Find its volume.

35. How many cans of capacity 1.2ℓ are needed to fill 12 dal of oil?

36. Find the ages of your family members. Write in Roman numerals.

37. Collect the mobile numbers of your family members and arrange them in ascending and descending order.

38. Write 3 English letters that have 2 lines of symmetry.

39. Write any 10 names of persons whose starting letter form the angle acute/obtuse/right angle.

40. Write the names of the things which form three dimensional shapes that you come across in your daily life.

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